

Interlaboratory Study of Radiant Panel Testing for Measuring Flammability of Thermal Acoustic Insulation Materials

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The repeatability of thermal/acoustic insulation material tests in the Radiant Panel test has recently been brought into question since a new handbook is being written. A dimensional survey of each lab's test apparatus and a round-robin material study have been completed. The results showed that test results across each lab were not as repeatable as needed. The dimensional survey showed what the biggest differences were in each lab's test apparatus, so now further studies are being conducted to determine which of these factors has the biggest effect on calibration and material test results.